Igor **Ferst**

SOFTWARE ENGINEERING · DATA SCIENCE

⌂ Stockholm, Sweden | ✉ igor@fer.st | % igor.fer.st | ○ igorferst | ▭ igorferst

Summary

Hands-on and user-focused technical leader specializing in building analytical tools for complex large-scale data.

Deep and diverse skill set spanning software development, data science, product management, and engineering management.

Achievements include founding and exiting a startup and publishing original research in computer science.

Domain expertise in telematics, insurance, capital markets, and healthcare.

Work Experience

Azuga
Stockholm, Sweden

SR. DIRECTOR OF ENGINEERING
Feb. 2021 - present

- Lead product development for SafetyIQ, Azuga's fleet risk management product for insurance carriers and fleet owners.
- Oversee globally distributed team of developers: hiring, onboarding, coaching, optimizing processes.
- Primary technical architect for product and data pipeline.
- Work closely with product team to turn feedback and ideas into executable designs.
- Hands-on technical leader: ship code, fix bugs, code reviews and pair programming.

Mobikit
Columbus, OH

CO-FOUNDER AND CTO
Jan. 2019 - Feb. 2021

- Technical co-founder of a startup building a data analytics platform for vehicle telematics data.
- Raised funding, guided company to product-market fit, and exited successfully.
- Architected product and coded across the entire stack, from data pipeline to UI.
- Grew globally distributed team of developers.
- Executed and supervised ad hoc data science projects.
- Technologies used include: Python (Django/DRF), Javascript (React), SQL (PostgreSQL), AWS (many services), Docker

Root Insurance
Columbus, OH

SENIOR SOFTWARE ENGINEER
Sept. 2018 - Jan. 2019

- Worked at a growth-stage insuretech unicorn on using machine learning to improve insurance rate accuracy.
- Implemented support for new rating methodologies and enhancements to the end-user mobile app.
- Python SME for engineering and actuarial teams.
- Technologies used include: Rails, React Native, Ansible, Python

Aver (now Enlace Health)
Columbus, OH

LEAD SOFTWARE ENGINEER
Sept. 2014 - Feb. 2018

- Led the cross-functional team building Aver's care management and revenue cycle management product for surgical centers.
- Owned product design and technical architecture, maintained product roadmap, implemented APIs and features.
- Grew developer team, overhauled interview process, defined onboarding process and personally onboarded most new developers. Coached two direct reports through promotion to senior engineer.
- Introduced and trained engineering team on new technologies (Docker, Angular), development processes (TDD, code reviews) and agile methodology (user stories, estimation).
- Technologies used include: Python (Flask), Javascript (Angular, Node.js), SQL (PostgreSQL, Redshift), Docker

InSample
San Francisco, CA

SOFTWARE ENGINEER
Mar. 2014 - Sept. 2014

- First employee at healthcare analytics startup building a cloud-based tool for statistical de-biasing of clinical experiments.
- Designed and built the product protoype together with the CTO.
- Prepared fundraising materials and interviewed prospective customers.
- Technologies used include: Rails, Angular

Google

SOFTWARE ENGINEER

- Part of conversion tracking team building the tools that Google's customers use to understand the effectiveness of their ad spend.
- Implemented a novel conversion tracking visualization for the AdWords suite of analytics tools.
- Acted as Angular SME during team's transition from legacy front-end framework to Angular.
- Developed enhancements to Google Analytics machine-learning algorithm for attribution modeling.
- Technologies used include: Java, Javascript (Angular), Protobufs

Palantir Technologies
Palo Alto, CA

FORWARD DEPLOYED ENGINEER
Jan. 2011 - Jan. 2013

- Embedded with a prominent global macro hedge fund, the largest customer for Palantir's capital markets analytics platform.
- Product owner and developer for platform's visualization and reporting features.
- Trained users and gathered product requirements.

Skills

Languages	Python, Javascript, SQL
Frameworks	Django/DRF, React
Infrastructure	AWS (RDS, EC2, Cloudformation, serverless, and more), Docker, PostgreSQL, Github
Advanced Methods	Statistical analysis, optimization, machine learning, complex data processing, graph algorithms
Product Management	Requirement gathering, user onboarding, roadmapping, UI design

Education

Cornell University
Ithaca, NY

M.S. IN COMPUTER SCIENCE

- PhD candidate in Applied Mathematics supported by a US National Science Foundation Graduate Research Fellowship.
- Published original research in algorithms and optimization: `https://tinyurl.com/ycheu4us`

University of Waterloo
Waterloo, Ontario

M.MATH. IN COMBINATORICS & OPTIMIZATION

University of Chicago
Chicago, IL

B.S. IN MATHEMATICS WITH HONORS

Volunteering

Tech Elevator
Columbus, OH

- Panelist and student mentor for the Columbus chapter of a software development bootcamp.

United Schools Network
Columbus, OH

- Designed and taught a three month after-school programming course for middle-school students.
- Developed spreadsheet-based operational tools for school administrators.

Columbus Arts Festival
Columbus, OH

- Member of organizing committee for 2016 and 2017 festivals.
- Built mobile-friendly interactive festival map: `https://github.com/igorferst/columbus-arts-festival-map`
- Interviewed vendors for mobile app development.